

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model  
Run on: February 16, 2003, 22:05:25 ; Search time 51.2985 Seconds  
1 atgaaacacatctggt.....cttactaccgtgtataa 1410  
(without alignments)  
13999.354 Million cell updates/sec

Title: US-09-497-967-102  
Perfect score: 1410

Sequence: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_NA:  
 1: /cgns\_6/ptodata/1/pubnra/US07\_PUBCOMB.seq:  
 2: /cgns\_6/ptodata/1/pubnra/DCT\_NEW\_PUB.seq:  
 3: /cgns\_6/ptodata/1/pubnra/US06\_NEW\_PUB.seq:  
 4: /cgns\_6/ptodata/1/pubnra/US05\_NEW\_PUB.seq:  
 5: /cgns\_6/ptodata/1/pubnra/US04\_NEW\_PUB.seq:  
 6: /cgns\_6/ptodata/1/pubnra/PCTRS\_PUBCOMB.seq:  
 7: /cgns\_6/ptodata/1/pubnra/US03\_NEW\_PUB.seq:  
 8: /cgns\_6/ptodata/1/pubnra/US02\_NEW\_PUB.seq:  
 9: /cgns\_6/ptodata/1/pubnra/US01\_NEW\_PUB.seq:  
 10: /cgns\_6/ptodata/1/pubnra/US09\_NEW\_PUB.seq:  
 11: /cgns\_6/ptodata/1/pubnra/US10\_NEW\_PUB.seq:  
 12: /cgns\_6/ptodata/1/pubnra/US10\_PUBCOMB.seq:  
 13: /cgns\_6/ptodata/1/pubnra/US60\_NEW\_PUB.seq:  
 14: /cgns\_6/ptodata/1/pubnra/US60\_PUBCOMB.seq:  
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
C 1	35.8	2.5	1824	9	US-09-938-842A-876	Sequence 876, App
C 2	35.8	2.5	2017	9	US-09-344-882-17	Sequence 17, App
C 3	35.2	2.5	324	10	US-09-764-877-2449	Sequence 2449, App
C 4	35.2	2.5	339	10	US-09-764-877-219	Sequence 10642, App
C 5	34.4	2.4	252	10	US-09-878-574-10642	Sequence 54, App
C 6	34.2	2.4	446	10	US-09-962-436-54	Sequence 589, App
C 7	34.2	2.4	446	10	US-09-880-107-589	Sequence 3940, App
C 8	33.6	2.4	2194	10	US-09-880-107-3940	Sequence 48, App
C 9	33.6	2.4	2462	9	US-09-922-364A-48	Sequence 48, App
C 10	33.6	2.4	2462	9	US-09-925A-48	Sequence 48, App
C 11	33.6	2.4	2462	9	US-10-115-695-48	Sequence 48, App
C 12	32.8	2.3	442	10	US-09-880-107-1917	Sequence 1917, App
C 13	32.8	2.3	1811	9	US-10-086-510-2	Sequence 2, App
C 14	32.4	2.3	1323	10	US-09-815-242-076	Sequence 4076, App
C 15	32.2	2.3	1473	10	US-09-735-787-3	Sequence 3, App
C 16	32	2.3	1024	10	US-09-815-242-9346	Sequence 9346, App
C 17	32	2.3	1085	10	US-09-925-300-401	Sequence 401, App
C 18	32	2.3	1268	10	US-09-896-852-23	Sequence 23, App
C 19	32	2.3	1648	10	US-09-895-852-26	Sequence 26, App

Sequence 37, App  
Sequence 4, Appl  
Sequence 6, Appl  
Sequence 1311, Ap  
Sequence 28, Appl  
Sequence 309, Appl  
Sequence 782, Appl  
Sequence 3834, App  
Sequence 890, App  
Sequence 722, App  
Sequence 552, App  
Sequence 428, App  
Sequence 9724, App  
Sequence 963, App  
Sequence 965, App  
Sequence 1454, App  
Sequence 1455, App  
Sequence 1460, App  
Sequence 1461, App  
Sequence 18, App

ALIGNMENTS

RESULT 1  
US-09-938-942A-876/C  
; Sequence 876, Application US/09938842A  
; Patent No. US20020160378A1  
; GENERAL INFORMATION:  
; APPLICANT: Harper, Jeff  
; APPLICANT: Kreps, Joel  
; APPLICANT: Wang, Xun  
; APPLICANT: Zhu, Tong  
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
; FILE REFERENCE: SCRIP1300-3  
; CURRENT FILING NUMBER: US/09/938-842A  
; PRIOR APPLICATION NUMBER: US 60/227,866  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: US 60/264,647  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/300,111  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 5379  
; SEQ ID NO: 876  
; LENGTH: 1824  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-09-938-842A-876  
Query Match 2.5%; Score 35.8; DB 9; Length 1824;  
Best Local Similarity 54.1%; Pred. No. 0.59;  
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;  
Qy 265 ACCAGTGTAAACGTTGAAGTCGGCTGGAGGCTACCGACTAC 324  
Db 477 ACCATGTTGATGAAATCTATGGTACGTAACTGGACTTTGACCGAC 418  
Qy 325 GCTGGTATCATCACCAGTGACTGTGGACTCTACAAGAGAACCTCT 384  
Db 417 GATGCAATCAGGGCAGATTCTACGTAAACCCGGATCGATCAAACCTAA 358  
Qy 385 AACTCAAGCTGGAA 399  
Db 357 TCCACCGACGGTGA 343

RESULT 2  
 US-09-344-882-17/C  
 Sequence 17, Application US/09344882  
 Patent No. US20020162137A1  
 GENERAL INFORMATION:  
 APPLICANT: Nikolau, Basil J  
 APPLICANT: Wurtele, Eve S  
 APPLICANT: Oliver, David J  
 APPLICANT: Behal, Robert  
 APPLICANT: Schnable, Patrick S  
 APPLICANT: Ke, Jinshan  
 APPLICANT: Johnson, Jerry L  
 APPLICANT: Allred, Carolyn C  
 APPLICANT: Fatland, Beth  
 APPLICANT: Lutziger, Isabelle  
 APPLICANT: Wen, Tsui-Jung  
 TITLE OF INVENTION: Materials and Methods for the Alteration of Enzyme and Title of Invention: Acetyl CoA Levels in Plants  
 FILE REFERENCE: 201573  
 CURRENT APPLICATION NUMBER: US/09/344,882  
 CURRENT FILING DATE: 1999-06-25  
 PRIOR APPLICATION NUMBER: US 60/090,717  
 PRIOR FILING DATE: 1998-06-26  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: PatentIn Ver. 2.2  
 SEQ ID NO 17  
 LENGTH: 2017  
 TYPE: DNA  
 ORGANISM: Arabidopsis Thaliana  
 FEATURE:  
 NAME/KEY: exon  
 LOCATION: (1)..(1000)  
 NAME/KEY: exon  
 LOCATION: (1002)..(1508)  
 NAME/KEY: exon  
 LOCATION: (1510)..(1519)  
 NAME/KEY: exon  
 LOCATION: (1521)..(1531)  
 NAME/KEY: exon  
 LOCATION: (1533)..(2017)  
 SEQ ID NO-9-344-882-17  
 LENGTH: 2017  
 Query Match 2.5%; Score 35.8; DB 9; Length 2017;  
 Best Local Similarity 54.1%; Pred. No. 63; Indels 0; Gaps 0;  
 Matches 73; Conservative 0; Mismatches 62;

Qy 265 ACCCAGTGTAACTGTAACGTGAACTGTCTGGAAACCGTATCGCTGAGGACTCCACTAC 324  
 Db 536 ACCATTGTATGAAATCTTACGTGAACTTATGGTACCGTAATCGTGGAGTTGGACCCGAC 477  
 Qy 325 GCTGCTATCATCACCAGGTGTGAACCTGTCGCATAACATCTACACGAGAACGCTCCCT 384  
 Db 476 GATGAAAATGAGGCCAGATTCCTACGTGAACTGCGATCGTCAAGAACACTCAA 417  
 Qy 385 AACTTCAACCTGGA 399  
 Db 416 TCCACCGACCGTGA 402

RESULT 3  
 US-09-764-877-2449  
 Sequence 2449, Application US/09764877  
 Patent No. US20020147140A1  
 GENERAL INFORMATION:  
 APPLICANT: Rosen et al.  
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 FILE REFERENCE: PC005  
 CURRENT APPLICATION NUMBER: US/09/764,877  
 CURRENT FILING DATE: 2001-01-17  
 Prior application data removed - refer to PALM or file wrapper  
 NUMBER OF SEQ ID NOS: 4031  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 219  
 LENGTH: 339  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (310)  
 OTHER INFORMATION: n equals a,t,g, or c  
 NAME/KEY: SITE  
 LOCATION: (335)  
 OTHER INFORMATION: n equals a,t,g, or c  
 SEQ ID NO-9-764-877-219  
 LENGTH: 339;  
 Query Match 2.5%; Score 35.2; DB 10; Length 339;  
 Best Local Similarity 47.7%; Pred. No. 0 33; Indels 0; Gaps 0;  
 Matches 103; Conservative 0; Mismatches 113;

Qy 1145 GTCTGCGWGAACCGTGCTGCGACCGTACCTACAGCAGGTGGCTGGAA 1264  
 Db 11 GTGCTGGATTACAGACATAACTACTGACCCAGTAAGATTATCATATTFTACTG 70  
 Qy 1205 AGTGTGTGAGTGTGCTTAACCTCTACACCAAGACGACTGGTGGCTGGAA 1204  
 Db 71 CACTTTCTGTGTATAGATACTACAAATCTCCATTAGCTTACTGTTACTG 130  
 Qy 1265 TCGACACTGTACCTCTGTAAAGAGGCTGACCTCTGGAGCTGAACTGCTG 1324  
 Db 131 TCTATGGTATCCCTATGTAACAGCTGTAGGGCTAATAGGCRG 190  
 Qy 1325 AGTCGTCTAGAAACTCCACTGTGACTTCGCTA 1360  
 Db 191 TACATTATAATAGCCTAGGTGTGTTAGCT 226

**RESULT 5**  
US-09-878-574-10642  
; Sequence 10642, Application US/09878574  
; Patent No. US20020110548A1  
; GENERAL INFORMATION:  
; APPLICANT: Byrum, Joseph R.  
; APPLICANT: La Rosa, Thomas J.  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE REFERENCE: 38-21(15401)B  
CURRENT APPLICATION NUMBER: US/09/878.574  
PRIORITY APPLICATION NUMBER: 09/333,535  
PRIOR FILING DATE: 1999-06-14  
NUMBER OF SEQ ID NOS: 15775  
LENGTH: 252  
TYPE: DNA  
ORGANISM: Glycine max  
OTHER INFORMATION: Clone ID: 700967903H1

Query Match 2.4%; Score 34.4; DB 10; Length 252;  
Best Local Similarity 50.0%; Pred. No. 0.49; Mismatches 86; Indels 0; Gaps 0;

Matches 86; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

Qy 1 ATGAGAACAAACATCCCTGTGATCATCCTCTGTCTCATCAACCAGATAAGTCT 60  
Db 77 ATRAAGGGAACTTGGTGTATPATGCCAAAGATGTGTGGATAAACAGCATACCAAGT 136

Qy 61 GCTAACCTTCCCTGGAAACCGAACCAACCCGCTGGACAGGGGACCCCTGGAAAC 120  
Db 137 GTAAAGGGTGTATTGAAACCGGATTAACATCATTTGGAGGTGTCACACCGTTACT 196

Qy 121 CCTGCTAACTGTGTGAACATGTCAAGAAGACTCTACTACACAAAGCTGCTG 172  
Db 197 GCTTGGTCCCACATCCTCCATCAGCTCATCATGCCCCAACAGGTGATG 248

Query Match 2.4%; Score 34.2; DB 10; Length 446;  
Best Local Similarity 49.2%; Pred. No. 0.8; Mismatches 93; Indels 0; Gaps 0;

Matches 90; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

Qy 885 GGCTACGCCGAGGAGCCTACCTGGCTAACAGTAGATCCGATTCAGCTGAGG 944  
Db 189 GGGCACCTTTATGGCAATTGAGATTCAAGGCCATGGCATGCCATCAG 248

Qy 945 AACCGCTATGCCTTGCGCTTGGCTACCAACTACGTGATCTGACCCAGTGTGACTG 1004  
Db 249 AACATPACAATGTTAGGGAGACAAACATGGGGCTGGCT 308

Qy 1005 TGCTGGTAACCTCTTGTACTTGGAAACAAACACTCCAGGCTGGATCTCTCGCTGTAGGC 1064  
Db 309 ACCTCCACACTCPATCTGAAACAAAAGATTACTGGCTTAAGTCTCGTGTGACGC 368

Qy 1065 TTG 1067  
Db 369 ATG 371

**RESULT 7**  
US-09-880-107-589  
; Sequence 589, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles In Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 589  
; LENGTH: 446  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA2588182  
US-09-880-107-589

Query Match 2.4%; Score 34.2; DB 10; Length 446;  
Best Local Similarity 49.28%; Pred. No. 0.8; Mismatches 93; Indels 0; Gaps 0;

Matches 90; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

Qy 885 GGCTACGCCGAGGAGCCTACCTGGCTAACAGTAGATCCGATTCAGCTGAGG 944  
Db 189 GGGCACCTTTATGGCAATTGAGATTCAAGGCCATGGCATGCCATCAG 248

Qy 945 AACCGCTATGCCTTGCGCTTGGCTACCAACTACGTGATCTGACCCAGTGTGACTG 1004  
Db 249 AACATPACAATGTTAGGGAGACAAACATGGGGCTGGCT 308

Qy 1005 TGCTGGTAACCTCTTGTACTTGGAAACAAACACTCCAGGCTGGATCTCTCGCTGTAGGC 1064  
Db 309 ACCTCCACACTCPATCTGAAACAAAAGATTACTGGCTTAAGTCTCGTGTGACGC 368

Qy 1065 TTG 1067  
Db 369 ATG 371

**RESULT 8**  
US-09-880-107-3940  
; Sequence 3940, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles In Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107







NUMBER OF SEQUENCES: 33  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: No. US2001036910A1 No. US2001036910A1 disk of No. US200100369  
 STREET: 405 Lexington Avenue, 64th Floor  
 CITY: New York  
 STATE: New York  
 COUNTRY: United States of America  
 ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/775,787  
 FILING DATE: 13-Dec-2000  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/189, 028  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lambiris, Elias J.  
 REGISTRATION NUMBER: 33,728  
 REFERENCE/DOCKET NUMBER: 3469.214-US

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-867-0123  
 TELEFAX: 212-878-0655

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 1473 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Fusarium oxysporum  
 STRAIN: DSM 2672  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 97..1224  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3 :

us-09-735-787-3

Query Match Score 32.2; DB 10; Length 1473;  
 Best Local Similarity 45.2%; Pred. No. 7.2;  
 Matches 118; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

Qy 755 ACAACTGGTGGCTCAGAACACCGAGTGACCAACTGTGCTCCATTACPTCTAAACA  
 Db 965 ACAAGCTGTCCCACCAAGCTGTGCTACCAACCCCTGCCAACCTGTCAAAGGCCA  
 Qy 815 ACGCTCTTAACCTTCACCCCTGGAAACTCTGCCTGCTGGCTTAACAGGACT 874  
 Db 1025 AGACAAACCAAGAAGSTCCGGAAACCAAAACCCGAGGAACGACTGAGC 1084

Qy 875 AGGGAGTTAGGCTTACCGCTGGAGGAGCTCTACCTGGCTAACAGTGTAACATCGCT 934  
 Db 1085 CTACCCGCCAAGGCCCTCCGTTGTCCTGCTTATTACCAAGTGTGTGTCAGTCCCGCTT 1144

Qy 935 GTCCGTGGAAACCCGTATGGCTCTGGAGCTACAAACTACGTGATCTGGACAGCT 994  
 Db 1145 ATCCCCAGGAACCTGGCTGCTGAACTGAGCAAGTGTGTCAGAACGAGTACT 1204

Qy 995 GTCTGAACTGGTGGCTTAACCT 1015  
 Db 1205 ACTCCCAAGTGTGTCCTCAACT 1225

